What is claimed is:

1. An aliphatic polyester resin composition comprising an aliphatic polyester resin, a plasticizer, and hydrophilic silica particles, wherein the amount of the hydrophilic silica particles is within a range from 10 to 100 parts by weight based on 100 parts by weight of the total amount of the aliphatic polyester resin and the plasticizer.

2. The aliphatic polyester resin composition according to claim 1, wherein the aliphatic polyester resin is polylactic acid, polyhydroxybutyric acid, polysuccinic acid, or a copolymer thereof.

3. The aliphatic polyester resin composition according to claim 1, wherein the aliphatic polyester resin is polylactic acid.

4. The aliphatic polyester resin composition according to claim 1, wherein the plasticizer is at least one selected from the group consisting of glycol derivative, glycerin derivative, phthalic acid derivative, adipic acid derivative, azelaic acid derivative, sebacic acid derivative, maleic acid derivative, fumaric acid derivative, trimellitic acid derivative, citric acid derivative, fatty acid derivative, sulfonic acid derivative, phosphoric acid derivative, paraffin derivative, diphenyl derivative, epoxy derivative, polyester, and polyether.

5. The aliphatic polyester resin composition according to claim 1, wherein the plasticizer is polyethylene glycol, an ester of poly(ethylene glycol), or a diglycerol ester.

6. The aliphatic polyester resin according to claim 1, which contains the plasticizer in the amount within a range from 2.0 to 50 parts by weight based on 100 parts by weight of the aliphatic polyester resin.

7. The aliphatic polyester resin composition according to claim 1, wherein the hydrophilic silica particle is a hydrophilic amorphous silica particle having an average primary particle diameter of 100 nm or less.